INDEX

Cohen, J., Marasli, B. & Levinski, V. The interaction between the mean flow and coherent structures in turbulent mixing layers, 81–94

Colonius, T., Lele, S. K. & Moin, P. The scattering of sound waves by a vortex: numerical simulations and analytical solutions, 271–298

Cortelezzi, L., Leonard, A. & Doyle, J. C. An example of active circulation control of the unsteady separated flow past a semi-infinite plate, 127–154

Dimas, A. A. & Triantafyllou, G. S. Nonlinear interaction of shear flow with a free surface, 211–246

Doyle, J. C. *See* Cortelezzi, Leonard & Doyle

Fasel, H. F. *See* Rempfer & Fasel

Fernández de la Mora, J. & Loscertales, I. G. The current emitted by highly conducting Taylor cones, 155–184

Frisch, U. *See* Gama, Vergassola & Frisch

Gama, S., Vergassola, M. & Frisch, U. Negative eddy viscosity in isotropically forced two-dimensional flow: linear and nonlinear dynamics, 95–126

Howell, J. F. *See* Mahrt & Howell

Hussain, F. *See* Melander & Hussain; Virk, Melander & Hussain

Lamb, K. G. Numerical simulations of stratified inviscid flow over a smooth obstacle, 1–22

Lele, S. K. *See* Colonius, Lele & Moin

Leonard, A. *See* Cortelezzi, Leonard & Doyle

Levinski, V. *See* Cohen, Marasli & Levinski

Loper, D. E. On the motion of a rigid cylinder in a rotating electrically conducting fluid, 299–314

Loscertales, I. G. *See* Fernández de la Mora & Loscertales

Mahrt, L. & Howell, J. F. The influence of coherent structures and microfronts on scaling laws using global and local transforms, 247–270

Marasli, B. *See* Cohen, Marasli & Levinski

Melander, M. V. *See* Virk, Melander & Hussain

Melander, M. V. & Hussain, F. Topological vortex dynamics in axisymmetric viscous flows, 57–80

Moin, P. *See* Colonius, Lele & Moin

Rempfer, D. & Fasel, H. F. Evolution of three-dimensional coherent structures in a flat-plate boundary layer, 351–375

Roberts, E. P. L. A numerical and experimental study of transition processes in an obstructed channel flow, 185–209

Thorpe, S. A. The stability of statically unstable layers, 315–331

Thorpe, S. A. Statically unstable layers produced by overturning internal gravity waves, 333–350

Triantafyllou, G. S. *See* Dimas & Triantafyllou

Vergassola, M. *See* Gama, Vergassola & Frisch

Virk, D., Melander, M. V. & Hussain, F. Dynamics of a polarized vortex ring, 23–55